

TOP SECRET**PRIORITY**

OUT55011

TOP SECRET 101902Z

PRIORITY

3820

1965 FEB 10 20 01Z

25X1

OXCART

ATTN:

25X1

SUBJ: EVALUATION OF MISSION PHOTOGRAPHY - NX 501

1. MISSION NX 501 IS A TRAINING MISSION WHICH WAS FLOWN ON 28 JANUARY 1965. A TYPE 1/1B/100 CAMERA WAS USED AND PROCESSING WAS ACCOMPLISHED AT EASTMAN KODAK. A [] TEAM AT THE PROCESSING SITE ASSISTED IN INITIAL BREAKDOWN AND ISSUED [] CABLES 101 AND 102.

25X1

25X1

2. ORIGINAL NEGATIVE:

A. THE EXPOSURE WAS ADEQUATE AND THE RESOLUTION IS GENERALLY GOOD. IMAGE SMEARING IS EVIDENT IN THE FLOOR OF MOST NARROW VALLEYS. IT IS SUSPECTED THAT THIS SITUATION PREVAILS WHEN THE V/H DETECTOR SCANS THE HIGH POINTS OF THE TERRAIN BEING PHOTOGRAPHED AND DICTATES A LEVEL OF IMAGE MOTION COMPENSATION (IMC) CONTRARY TO THAT WHICH IS APPROPRIATE FOR THE TERRAIN IN THE VALLEY. AN EXAMPLE OF THIS SITUATION CAN BE OBSERVED ON FRAME 414.

B. LEFT SIDE (ODD NUMBERED FRAMES): THERE ARE TWO LONG-ITUDINAL PLUS DENSITY STREAKS APPROXIMATELY 1.65" FROM, AND PARALLEL TO THE FRAME FORMAT EDGE NEAREST THE DATA CHAMBERS (THE TRAILING EDGE OF THE FORMAT). THERE IS A MINUS DENSITY STREAK 2.8" FROM, AND PARALLEL TO, THE OPPOSITE FORMAT EDGE. ALL OF THE STREAKS ARE CONTINUOUS THROUGHOUT THE MISSION.

C. RIGHT SIDE (EVEN NUMBERED FRAMES): THERE ARE SEVERAL MINUS DENSITY STREAKS, PARALLEL TO THE MAJOR AXIS OF THE FILM NEAR

10 1965

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	Master File		
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	DIAXX-4		
	SPAD		
	NSA LO		
	DAAP		
	Destroyed		

TOP SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification
25X1

BOTH FORMAT EDGES THROUGHOUT THE MISSION.

D. BOTH SIDES: TRANSVERSE BANDS OF VARYING DENSITY ARE INTERMITTENT THROUGHOUT THE MISSION. THE LATITUDE, AS INDICATED IN THE DATA CHAMBER, IS IN ERROR THROUGHOUT THE MISSION. THE RECORDED READING ARE SEVERAL DEGREES IN ERROR; AND THERE APPEARS TO BE NO CONSISTENT FACTOR BY WHICH THEY ARE INCORRECT. THE LONGITUDE, AS INDICATED IN THE DATA BLOCK, IS CORRECT, THE FIRST FOUR FRAMES OF THE MISSION ARE PARTIALLY FOGGED. FRAMES 375 TO 330 ARE PARTIALLY FOGGED IN ASSOCIATION WITH A CAMERA OFF PERIOD AT FRAME 376. PERIODS OF CAMERA OPERATION, FRAME NUMBERS AND TIMES ACCORDING TO THE DATA CHAMBER CLOCK WERE:

ON FRAME 001	0852 PLUS 15 SEC.
OFF FRAME 376	0909 PLUS 39 SEC.
ON FRAME 377	0915 PLUS 25 SEC.
OFF FRAME 934	0938 PLUS 17 SEC.

THE V/H SENSOR WAS IN THE LOCKED POSITION ON THE FOLLOWING FRAMES:
1 TO 372, 595 TO 928.

THE CAMERA MOUNT WAS CAGED ON THE FOLLOWING FRAMES:

389 - 392	441 - 444
415 - 422	447 - 454
425 - 423	457 - 460
431 - 438	545 - 934

THE LAST TITLED FRAME OF THE MISSION IS 934.

3. POSITIVE:

A. PRINTING AND PROCESSING WERE GOOD.

B. PI SUITABILITY IS GOOD.

C. CLOUDS OBSCURE OR DEGRADE APPROXIMATELY 35 PERCENT OF THE
MISSION.

T O P S E C R E T

/END OF MESSAGE/

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